

CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

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- 1 1. A method of operating a data processing system
2 to control user access to a plurality of resources,
3 said method including the steps of
4 editing a list of resources,
5 editing a list of profiles, each said profile
6 containing a designation of at least one of said
7 resources, and
8 editing a list of users to add or delete a
9 profile for a user, said list of users including,
10 for each listed user, a userID by which the user can
11 be authenticated.
- 1 2. A method as recited in claim 1, wherein all of
2 said editing steps are performed under supervision
3 of an administrator to the exclusion of users.
- 1 3. A method as recited in claim 1, including the
2 further step of
3 authorizing access of each user to selected
4 resources included in said resource list in
5 accordance with contents of profiles in said list of
6 profiles which are associated with each user in said
7 list of users.

1 4. A method as recited in claim 3, wherein said
2 authorizing step is performed upon detection of a
3 said editing step.

1 5. A method as recited in claim 4, wherein said
2 detection is performed by comparison of said lists
3 of users, profiles and resources with prior lists of
4 users, profiles and resources.

1 6. A method as recited in claim 3, including the
2 further steps of
3 authenticating a user in accordance with said
4 userID, and
5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 7. A method as recited in claim 4, including the
2 further steps of
3 authenticating a user in accordance with said
4 userID, and
5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 8. A method as recited in claim 5, including the
2 further steps of
3 authenticating a user in accordance with said
4 userID, and
5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 9. A method as recited in claim 2, including the
2 further step of
3 authorizing access of each user to selected
4 resources included in said resource list in
5 accordance with contents of profiles in said list of
6 profiles which are associated with each user in said
7 list of users.

1 10. A method as recited in claim 9, wherein said
2 authorizing step is performed upon detection of an
3 editing step.

1 11. A method as recited in claim 10, wherein
2 detection of an editing step is performed by
3 comparison of said lists of users, profiles and
4 resources with prior lists of users, profiles and
5 resources.

1 12. A method as recited in claim 9, including the
2 further steps of
3 authenticating a user in accordance with said
4 userID, and

5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 13. A method as recited in claim 10, including the
2 further steps of

3 authenticating a user in accordance with said
4 userID, and

5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 14. A method as recited in claim 11, including the
2 further steps of

3 authenticating a user in accordance with said
4 userID, and

5 providing access to a resource, authorized by
6 said authorizing step, which is selected by said
7 user authenticated in said authenticating step.

1 15. A method as recited in claim 1, including the
2 further step of

3 deleting a resource from all profiles
4 specifying a resource to be deleted from said
5 resource list during said step of editing said list
6 of resources.

1 16. A method as recited in claim 1, including the
2 further step of

3 deleting a profile from all users in said list
4 of users for which a profile to be deleted from said
5 profile list is specified during said step of
6 editing said list of profiles.

1 17. A data processing system having a plurality of
2 available resources, said system including

3 a server,

4 means for controlling access to said resources,
5 said means for controlling access to said resources
6 including a list of said resources, a list of
7 profiles, each profile corresponding to a said
8 resource, and a list of users containing information
9 for authenticating a user and a profile
10 corresponding to said user, and

11 means for providing communication between a
12 user and said server.

1 18. A system as recited in claim 17, further
2 including

3 means for editing any of said list of users,
4 said list of profiles and said list of resources.

1 19. A system as recited in claim 18, further
2 including

3 means for detecting editing of any of said list
4 of users, said list of profiles and said list of
5 resources.

1 20. A system as recited in claim 17, further
2 including
3 means for authorizing user access to selected
4 ones of said resources in accordance with said
5 profiles in said list of profiles and said users in
6 said list of users.

1 21. A system as recited in claim 19, further
2 including
3 means for authorizing user access to selected
4 ones of said resources in accordance with said
5 profiles in said list of profiles and said users in
6 said list of users responsive to said means for
7 detecting editing.

1 22. A system as recited in claim 17, further
2 including
3 means for authenticating a user upon access by
4 said user to said server.

1 23. A system as recited in claim 22, further
2 including
3 means for directing a user authenticated by
4 said means for authenticating a user to a resource
5 to which access of that user has been authorized by
6 said authorizing means.

1 24. A system as recited in claim 23, wherein said
2 means for directing is responsive to location or
3 path data contained in said list of resources.

1 25. A system as recited in claim 24, wherein said
2 path or address data is a URL.

1 26. A system as recited in claim 17, further
2 including
3 means for deleting a resource from all profiles
4 specifying a resource to be deleted from said
5 resource list.

1 27. A system as recited in claim 17, further
2 including
3 means for deleting a profile from all users in
4 said list of users for which a profile to be deleted
5 from said profile list is specified.

1 28. A computer readable medium containing code for
2 operating a data processing system to control user
3 access to a plurality of resources, said code
4 implementing the steps of
5 editing a list of resources,
6 editing a list of profiles, each said profile
7 containing a designation of at least one of said
8 resources, and
9 editing a list of users to add or delete a
10 profile for a user, said list of users including,
11 for each listed user, a userID by which the user can
12 be authenticated.

1 29. A computer readable medium as recited in claim
2 28, wherein said code requires all of said editing
3 steps to be performed under supervision of an
4 administrator to the exclusion of users.

1 30. A computer readable medium as recited in claim
2 28, further including code for implementing a step
3 of

4 authorizing access of each user to selected
5 resources included in said resource list in
6 accordance with contents of profiles in said list of
7 profiles which are associated with each user in said
8 list of users.

1 31. A computer readable medium as recited in claim
2 30, wherein a code section implementing said
3 authorizing step is executed upon detection of a
4 said editing step.

1 32. A computer readable medium as recited in claim
2 31, wherein a code section performing said detection
3 compares said lists of users, profiles and resources
4 with prior lists of users, profiles and resources.

1 33. A computer readable medium as recited in claim
2 30, further including code for implementing the
3 steps of

4 authenticating a user in accordance with said
5 userID, and

6 providing access to a resource, authorized by
7 said authorizing step, which is selected by said
8 user authenticated in said authenticating step.

1 34. A computer readable medium as recited in claim
2 33, wherein said code implementing said detection of
3 an editing step compares said lists of users,
4 profiles and resources with prior lists of users,
5 profiles and resources.

1 35. A computer readable medium as recited in claim
2 34, further including code implementing the further
3 steps of

4 authenticating a user in accordance with said
5 userID, and

6 providing access to a resource, authorized by
7 said authorizing step, which is selected by said
8 user authenticated in said authenticating step.

1 36. A computer readable medium as recited in claim
2 28, further including code for implementing a step
3 of

4 deleting a resource from all profiles
5 specifying a resource to be deleted from said
6 resource list during said step of editing said list
7 of resources.

1 37. A computer readable medium as recited in claim
2 28, further including code for implementing a step
3 of

4 deleting a profile from all users in said list
5 of users for which a profile to be deleted from said
6 profile list is specified during said step of
7 editing said list of profiles.